

Biological Macromolecule Crystallization Database and the NASA Archive for Protein Crystal Growth Data (version 2.00)

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Introduction

The **Biological Macromolecule Crystallization Database (BMCD)** contains crystal data and the crystallization conditions, which have been compiled from literature. The current version of the BMCD includes **3547 crystal entries** from **2526 biological macromolecules** for which diffraction quality crystals have been obtained. These include proteins, protein:protein complexes, nucleic acid, nucleic acid:nucleic acid complexes, protein:nucleic acid complexes, and viruses.

In addition to including crystallization data reported in the literature, the BMCD contains the NASA Protein Crystal Growth Archive, which includes the crystallization data generated from studies carried out in a microgravity environment supported by NASA. Data from other crystallization experiments carried out under microgravity sponsored by other international space agencies are also included.

Contributing Data

Now you can contribute your crystallization results. A Beta-test version of the input form is available for Netscape users.

Citing the BMCD

In publications please use the following reference when citing the use of the Biological Macromolecule Crystallization Database (Don't forget to always include the original references for particular crystallization procedures.):

Gilliland, G.L., Tung, M., Blakeslee, D.M. and Ladner, J. 1994. The Biological Macromolecule Crystallization Database, Version 3.0: New Features, Data, and the NASA Archive for Protein

Crystal Growth Data. Acta Crystallogr. D50 408-413.

Any comment or bug report regarding the **BMCD** should go to
webmaster@nist.gov